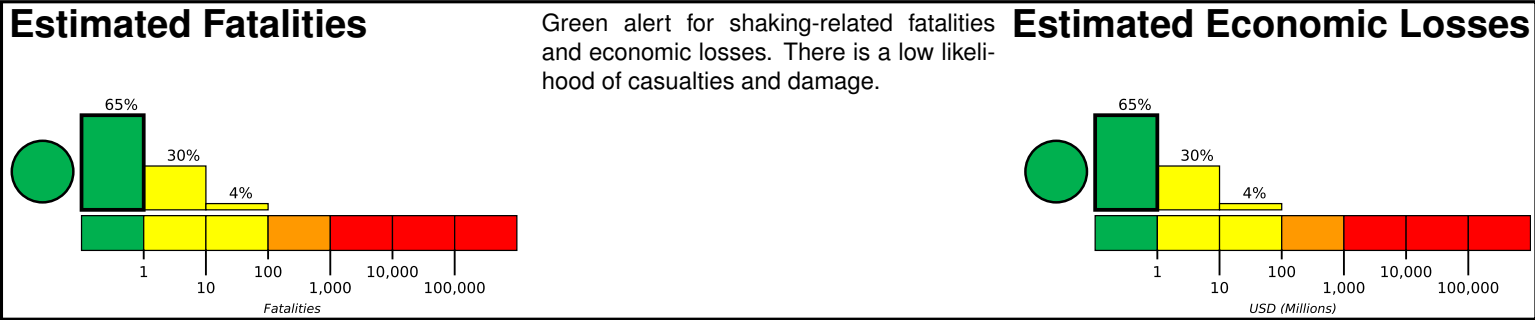


M 5.5, 35 km ESE of funato, Japan

Origin Time: 2023-09-08 09:28:50 UTC (Fri 18:28:50 local)
Location: 38.9566° N 142.1006° E Depth: 53.8 km

PAGER Version 4

Created: 1 day, 0 hours after earthquake

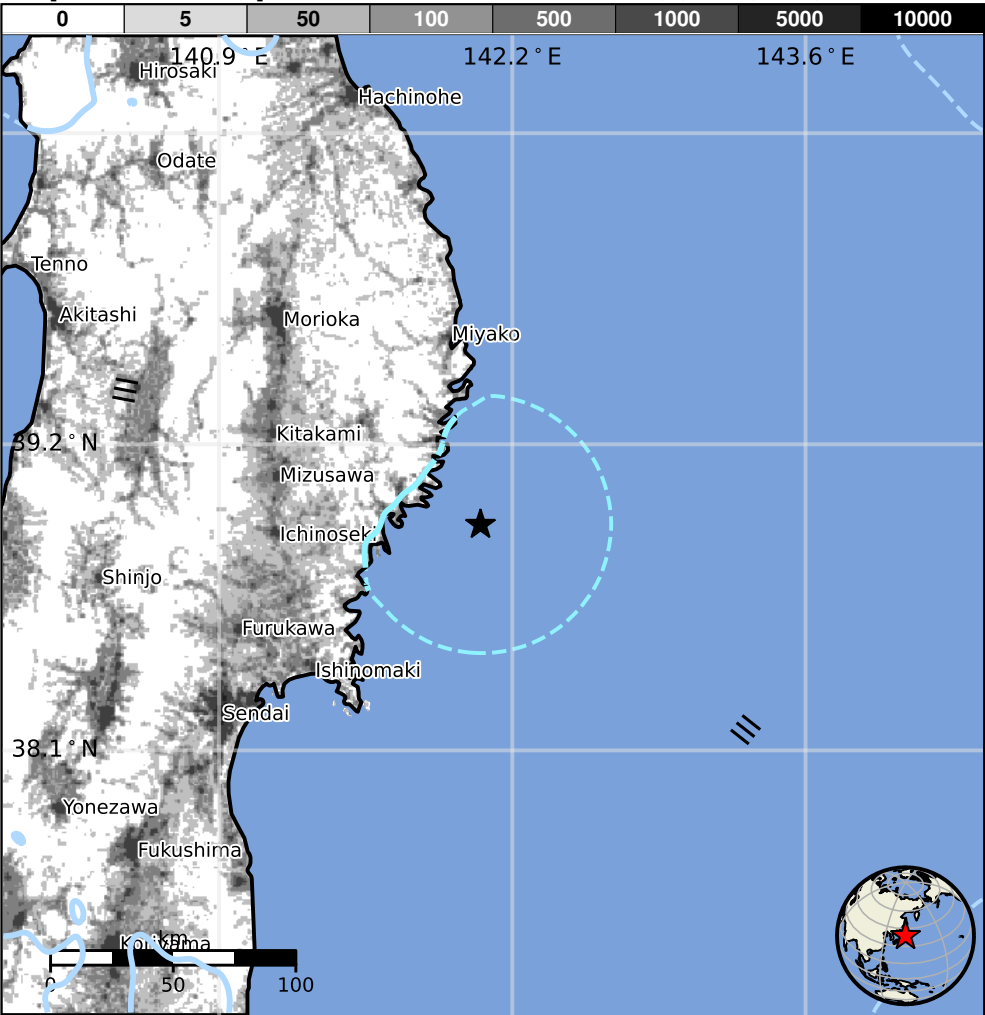


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	7,603k	155k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are heavy wood frame and reinforced/confined masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1994-12-28	209	7.7	VII(130k)	3
1978-06-12	81	7.6	VIII(1,304k)	22
1983-05-26	307	7.7	VII(174k)	104

Recent earthquakes in this area have caused secondary hazards such as landslides and fires that might have contributed to losses.

Selected City Exposure

MMI	City	Population
IV	Ofunato	35k
IV	Tono	27k
III	Yamada	20k
III	Kamaishi	43k
III	Mizusawa	61k
III	Otsuchi	16k
III	Morioka	295k
III	Sendai	1,063k
III	Akita	326k
III	Yamagata	255k
III	Fukushima	294k